

Duke Energy Progress, LLC
SCPSC Docket Nos. 2018-318-E (Order Nos. 2019-341 and 2019-454) and 2019-1-E (Order No. 2019-452)
Derivation and Description of Rate and Tariff Changes

Description	Current Rate (11/1/18)	Approved Rate	Percentage Change	Lighting kWh
(1)	(2)	(3)	(4)	(6)
Residential Service Schedule RES				
Basic Facilities Charge	\$9.06	\$11.78	30.0%	
Energy Charges SUMMER (July-Oct. Bills)	\$0.11637	\$0.12187	4.7%	
Energy Charges NONSUMMER (Nov.-June Bills) - First 800 kWh	\$0.11637	\$0.12187	4.7%	
Energy Charges NONSUMMER (Nov.-June Bills) - over 800 kWh	\$0.10637	\$0.11187	5.2%	
Three Phase Charge	\$6.00	\$6.50	8.3%	
Residential Service Time-of-Use Schedule R-TOUD (targets same or higher increase due to a slightly lower schedule return)				
Basic Facilities Charge	\$11.91	\$14.63	22.8%	
Energy Charges On-peak	\$0.08544	\$0.08991	5.2%	
Energy Charges Off-peak	\$0.06994	\$0.07360	5.2%	
Demand Charges SUMMER (June-Sept Calendar)	\$5.38	\$5.66	5.2%	
Demand Charges NONSUMMER (Oct.-May Calendar)	\$4.14	\$4.35	5.1%	
Three Phase Charge	\$6.00	\$6.50	8.3%	
Small General Service Schedule SGS				
Basic Facilities Charge	\$9.91	\$12.34	24.5%	
Energy Charges BLOCK 1 - FIRST 2,000 KWH	\$0.12294	\$0.12995	5.7%	
Energy Charges BLOCK 2 - ADDITIONAL KWH	\$0.08832	\$0.09336	5.7%	
Three Phase Charge	\$6.00	\$6.50	8.3%	
Billed kVAR	\$0.30	\$0.30	0.0%	
General Service Schedule GS (15% higher increase than SGS)				
Basic Facilities Charge ALL	\$9.91	\$12.34	24.5%	
Energy Charges BLOCK 1 - First 750 kWh (Demand Extender)	\$0.12782	\$0.13846	8.3%	
Energy Charges BLOCK 2 - Next 2,000 kWh	\$0.08859	\$0.09597	8.3%	
Energy Charges BLOCK 3 - Additional kWh	\$0.07995	\$0.08661	8.3%	
Three Phase Charge	\$6.00	\$6.50	8.3%	
Energy Charges Minimum Bill	\$0.04097	\$0.04657	13.7%	
Demand Charges Minimum Bill	\$2.95	\$3.03	2.7%	
Billed kVAR ALL	\$0.30	\$0.30	0.0%	
Small General Service Constant Load Schedule SGS-CLR				
Basic Facilities Charge	\$9.95	\$11.31	13.7%	
Energy Charges	\$0.07852	\$0.08517	8.5%	
Three Phase Charge	\$6.00	\$6.50	8.3%	
Medium General Service Schedule MGS				
Basic Facilities Charge	\$17.17	\$21.35	24.4%	
Energy Charges	\$0.07615	\$0.07809	2.5%	
Demand Charges	\$6.17	\$6.33	2.6%	
Three Phase Charge	\$6.00	\$6.50	8.3%	
Billed kVAR	\$0.30	\$0.30	0.0%	
Small General Service Time of Use Schedule SGS-TOU (targets a 10% higher increase due to low schedule return)				
Basic Facilities Charge	\$23.17	\$27.85	20.2%	
Energy Charges On-peak (SUMMER)	\$0.06672	\$0.06861	2.8%	

DSM/EE Rate Change	GRT & Reg Fee Change	Total DSM/EE Change 1/1/19	Billing Rates Effective 6/1/19	Fuel Rate Change	GRT & Reg Fee Change	Total Fuel Change 7/1/19	Billing Rates Effective 7/1/19
(7)	(8)	(9) = (7) + (8)	(10) = (3) + (9)	(11)	(12)	(13) = (11) + (12)	(14) = (10) + (13)
			\$11.78				\$11.78
(\$0.00232)	(\$0.00001)	(\$0.00233)	\$0.11954	(\$0.00222)	(\$0.00001)	(\$0.00223)	\$0.11731
(\$0.00232)	(\$0.00001)	(\$0.00233)	\$0.11954	(\$0.00222)	(\$0.00001)	(\$0.00223)	\$0.11731
(\$0.00232)	(\$0.00001)	(\$0.00233)	\$0.10954	(\$0.00222)	(\$0.00001)	(\$0.00223)	\$0.10731
			\$6.50				\$6.50
			\$14.63				\$14.63
(\$0.00232)	(\$0.00001)	(\$0.00233)	\$0.08758	(\$0.00222)	(\$0.00001)	(\$0.00223)	\$0.08535
(\$0.00232)	(\$0.00001)	(\$0.00233)	\$0.07127	(\$0.00222)	(\$0.00001)	(\$0.00223)	\$0.06904
			\$5.66				\$5.66
			\$4.35				\$4.35
			\$6.50				\$6.50
			\$12.34				\$12.34
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.12858	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.12713
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.09199	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.09054
			\$6.50				\$6.50
			\$0.30				\$0.30
			\$12.34				\$12.34
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.13709	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.13564
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.09460	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.09315
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.08524	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.08379
			\$6.50				\$6.50
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.04520	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.04375
			\$3.03				\$3.03
			\$0.30				\$0.30
			\$11.31				\$11.31
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.08380	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.08235
			\$6.50				\$6.50
			\$21.35				\$21.35
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.07672	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.07380
			\$6.33	\$0.13	\$0.00	\$0.13	\$6.46
			\$6.50				\$6.50
			\$0.30				\$0.30
			\$27.85				\$27.85
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.06724	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.06432

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Derivation and Description of Rate and Tariff Changes

Description	Current Rate (11/1/18)	Approved Rate	Percentage Change	Lighting kWh	DSM/EE Rate Change	GRT & Reg Fee Change	Total DSM/EE Change 1/1/19	Billing Rates Effective 6/1/19	Fuel Rate Change	GRT & Reg Fee Change	Total Fuel Change 7/1/19	Billing Rates Effective 7/1/19
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9) = (7) + (8)	(10) = (3) + (9)	(11)	(12)	(13) = (11) + (12)	(14) = (10) + (13)
Energy Charges On-peak (NON-SUMMER)	\$0.06672	\$0.06861	2.8%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.06724	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.06432
Energy Charges Off-peak	\$0.05287	\$0.05437	2.8%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.05300	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.05008
Demand Charges SUMMER (June-Sept Calendar)	\$11.55	\$11.88	2.9%					\$11.88	\$0.13	\$0.00	\$0.13	\$12.01
Demand Charges NONSUMMER (Oct.-May Calendar)	\$9.02	\$9.28	2.9%					\$9.28	\$0.13	\$0.00	\$0.13	\$9.41
Demand Charges Off-peak Excess	\$2.95	\$3.04	3.2%					\$3.04				\$3.04
Energy Charges Minimum Bill - On-peak	\$0.03807	\$0.04367	14.7%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.04230	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.03938
Energy Charges Minimum Bill - Off-peak	\$0.03807	\$0.04367	14.7%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.04230	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.03938
Demand Charges Minimum Bill	\$2.95	\$3.03	2.7%					\$3.03				\$3.03
Billed kVAR	\$0.30	\$0.30	0.0%					\$0.30				\$0.30
Small General Service Thermal Energy Storage Schedule SGS-TES												
Basic Facilities Charge ALL	\$23.17	\$27.85	20.2%					\$27.85				\$27.85
Energy Charges On-peak	\$0.05432	\$0.05570	2.5%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.05433	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.05141
Energy Charges Off-peak	\$0.05210	\$0.05343	2.6%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.05206	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.04914
Demand Charges SUMMER (June-Sept Calendar)	\$13.78	\$14.13	2.5%					\$14.13	\$0.13	\$0.00	\$0.13	\$14.26
Demand Charges NONSUMMER (Oct.-May Calendar)	\$11.22	\$11.51	2.6%					\$11.51	\$0.13	\$0.00	\$0.13	\$11.64
Demand Charges Off-peak Excess	\$2.95	\$3.03	2.7%					\$3.03				\$3.03
Energy Charges Minimum Bill	\$0.03807	\$0.04367	14.7%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.04230	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.03938
Demand Charges Minimum Bill	\$2.95	\$3.03	2.7%					\$3.03				\$3.03
Billed kVAR ALL	\$0.30	\$0.30	0.0%					\$0.30				\$0.30
Church and School Service Schedule CSE (targets a 15% higher increase for CSE/CSG to incent migration from frozen tariff)												
Basic Facilities Charge ALL	\$17.17	\$21.35	24.4%					\$21.35				\$21.35
Energy Charges ALL	\$0.12042	\$0.11988	-0.4%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.11851	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.11706
Three Phase Charge ALL	\$6.00	\$6.50	8.3%					\$6.50				\$6.50
Energy Charges Minimum Bill	\$0.04097	\$0.04657	13.7%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.04520	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.04375
Demand Charges Minimum Bill	\$2.95	\$3.03	2.7%					\$3.03				\$3.03
Billed kVAR ALL	\$0.30	\$0.30	0.0%					\$0.30				\$0.30
Church and School Service Schedule CSG (targets a 15% higher increase for CSE/CSG to incent migration from frozen tariff)												
Basic Facilities Charge ALL	\$17.17	\$21.35	24.4%					\$21.35				\$21.35
Energy Charges ALL	\$0.12042	\$0.11988	-0.4%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.11851	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.11706
Three Phase Charge ALL	\$6.00	\$6.50	8.3%					\$6.50				\$6.50
Energy Charges Minimum Bill	\$0.04097	\$0.04657	13.7%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.04520	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.04375
Demand Charges Minimum Bill	\$2.95	\$3.03	2.7%					\$3.03				\$3.03
Billed kVAR ALL	\$0.30	\$0.30	0.0%					\$0.30				\$0.30
Traffic Signal Service Schedule TFS												
Basic Facilities Charge	\$9.91	\$12.34	24.5%					\$12.34				\$12.34
Energy Charges	\$0.07787	\$0.08231	5.7%		(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.08094	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.07949
Three Phase Charge	\$6.00	\$6.50	8.3%					\$6.50				\$6.50
Billed kVAR	\$0.30	\$0.30	0.0%					\$0.30				\$0.30

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Derivation and Description of Rate and Tariff Changes

Description	Current Rate (11/1/18)	Approved Rate	Percentage Change	Lighting kWh
(1)	(2)	(3)	(4)	(6)
Sports Field Lighting Service Schedule SFLS				
Basic Facilities Charge	\$17.17	\$21.35	24.4%	
Energy Charges	\$0.07349	\$0.06893	-6.2%	
Demand Charges	\$1.31	\$1.22	-6.9%	
Three Phase Charge	\$6.00	\$6.50	8.3%	
Billed kVAR	\$0.30	\$0.30	0.0%	
Disconnect/Connect Charge	\$15.00	\$17.00	13.3%	
Seasonal and Intermittent Service Schedule SI				
Basic Facilities Charge	\$17.17	\$21.35	24.4%	
Energy Charges BLOCK 1 - FIRST 2,000 KWH	\$0.14721	\$0.14993	1.8%	
Energy Charges BLOCK 2 - ADDITIONAL KWH	\$0.10871	\$0.11072	1.8%	
Three Phase Charge	\$6.00	\$6.50	8.3%	
Customer Seasonal Charge	\$32.25	\$40.10	24.3%	
Facilities Charge	\$1.72	\$1.72	0.0%	
Billed kVAR	\$0.30	\$0.30	0.0%	
Large General Service Schedule LGS				
Basic Customer Charge	\$98.00	\$192.00	95.9%	
Energy Charges	\$0.05529	\$0.05765	4.3%	
Demand Charges BLOCK 1 - FIRST 5,000 KW	\$12.80	\$13.35	4.3%	
Demand Charges BLOCK 2 - NEXT 5,000 KW	\$11.80	\$12.35	4.7%	
Demand Charges BLOCK 3 - ABOVE 10,000 KW	\$10.80	\$11.35	5.1%	
Transformation Discount Transmission Demand	(\$0.41)	(\$0.50)	22.0%	
Transformation Discount Transmission Energy	(\$0.00041)	(\$0.00021)	-48.8%	
Transformation Discount Distribution Demand	(\$0.33)	(\$0.40)	21.2%	
Transformation Discount Distribution Energy	(\$0.00005)	(\$0.00002)	-60.0%	
Billed kVAR	\$0.30	\$0.30	0.0%	
Large General Service Time of Use Schedule LGS-TOU				
Basic Customer Charge	\$98.00	\$192.00	95.9%	
Energy Charges On-peak	\$0.05316	\$0.05558	4.6%	
Energy Charges Off-peak	\$0.04816	\$0.05058	5.0%	
Demand Charges SUMMER (J-S) BLOCK 1 - FIRST 5,000 KW	\$19.60	\$20.49	4.5%	
Demand Charges SUMMER (J-S) BLOCK 2 - NEXT 5,000 KW	\$18.60	\$19.49	4.8%	
Demand Charges SUMMER (J-S) BLOCK 3 - ABOVE 10,000 KW	\$17.60	\$18.49	5.1%	
Demand Charges NONSUMMER (O-M) BLOCK 1 - FIRST 5,000 KW	\$14.57	\$15.23	4.5%	
Demand Charges NONSUMMER (O-M) BLOCK 2 - NEXT 5,000 KW	\$13.57	\$14.23	4.9%	
Demand Charges NONSUMMER (O-M) BLOCK 3 - ABOVE 10,000 KW	\$12.57	\$13.23	5.3%	
Demand Charges Off-peak Excess	\$1.25	\$1.31	4.6%	
Transformation Discount Transmission Demand	(\$0.41)	(\$0.50)	22.0%	
Transformation Discount Transmission Energy	(\$0.00041)	(\$0.00021)	-48.8%	
Transformation Discount Distribution Demand	(\$0.33)	(\$0.40)	21.2%	
Transformation Discount Distribution Energy	(\$0.00005)	(\$0.00002)	-60.0%	
Billed kVAR	\$0.30	\$0.30	0.0%	
Large General Service Curtailable Time of Use Schedule LGS-CUR-TOU				
Basic Facilities Charge	\$465.55	\$484.83	4.1%	
Energy Charges On-peak	\$0.04904	\$0.05109	4.2%	
Energy Charges Off-peak	\$0.04356	\$0.04536	4.1%	

DSM/EE Rate Change	GRT & Reg Fee Change	Total DSM/EE Change 1/1/19	Billing Rates Effective 6/1/19	Fuel Rate Change	GRT & Reg Fee Change	Total Fuel Change 7/1/19	Billing Rates Effective 7/1/19
(7)	(8)	(9) = (7) + (8)	(10) = (3) + (9)	(11)	(12)	(13) = (11) + (12)	(14) = (10) + (13)
			\$21.35				\$21.35
\$0.00000	\$0.00000	\$0.00000	\$0.06893	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.06601
			\$1.22				\$1.22
			\$6.50				\$6.50
			\$0.30				\$0.30
			\$17.00				\$17.00
			\$21.35				\$21.35
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.14856	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.14711
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.10935	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.10790
			\$6.50				\$6.50
			\$40.10				\$40.10
			\$1.72				\$1.72
			\$0.30				\$0.30
			\$192.00				\$192.00
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.05628	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.05336
			\$13.35	\$0.13	\$0.00	\$0.13	\$13.48
			\$12.35	\$0.13	\$0.00	\$0.13	\$12.48
			\$11.35	\$0.13	\$0.00	\$0.13	\$11.48
			(\$0.50)				(\$0.50)
			(\$0.00021)	\$0.00001	\$0.00000	\$0.00001	(\$0.00020)
			(\$0.40)				(\$0.40)
			(\$0.00002)				(\$0.00002)
			\$0.30				\$0.30
			\$192.00				\$192.00
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.05421	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.05129
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.04921	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.04629
			\$20.49	\$0.13	\$0.00	\$0.13	\$20.62
			\$19.49	\$0.13	\$0.00	\$0.13	\$19.62
			\$18.49	\$0.13	\$0.00	\$0.13	\$18.62
			\$15.23	\$0.13	\$0.00	\$0.13	\$15.36
			\$14.23	\$0.13	\$0.00	\$0.13	\$14.36
			\$13.23	\$0.13	\$0.00	\$0.13	\$13.36
			\$1.31				\$1.31
			(\$0.50)				(\$0.50)
			(\$0.00021)	\$0.00001	\$0.00000	\$0.00001	(\$0.00020)
			(\$0.40)				(\$0.40)
			(\$0.00002)				(\$0.00002)
			\$0.30				\$0.30
			\$484.83				\$484.83
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.04972	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.04680
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.04399	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$0.04107

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(1)	(2)	(3)	(4)	(6)
Demand Charges SUMMER (J-S) BLOCK 1 - FIRST 5,000 KW	\$21.41	\$22.30	4.2%	
Demand Charges SUMMER (J-S) BLOCK 2 - NEXT 5,000 KW	\$20.32	\$21.16	4.1%	
Demand Charges SUMMER (J-S) BLOCK 3 - ABOVE 10,000 KW	\$19.22	\$20.02	4.2%	
Demand Charges NONSUMMER (O-M) BLOCK 1 - FIRST 5,000 KW	\$15.90	\$16.56	4.2%	
Demand Charges NONSUMMER (O-M) BLOCK 2 - NEXT 5,000 KW	\$14.81	\$15.42	4.1%	
Demand Charges NONSUMMER (O-M) BLOCK 3 - ABOVE 10,000 KW	\$13.71	\$14.28	4.2%	
Demand Charges Curtailable Billing Demand	\$1.64	\$1.71	4.3%	
Transformation Discount Transmission Demand	(\$0.41)	(\$0.50)	22.0%	
Transformation Discount Transmission Energy	(\$0.00041)	(\$0.00021)	-48.8%	
Transformation Discount Distribution Demand	(\$0.33)	(\$0.40)	21.2%	
Transformation Discount Distribution Energy	(\$0.00005)	(\$0.00002)	-60.0%	
Billed kVAR	\$0.30	\$0.30	0.0%	
Large General Service Real Time Pricing Schedule LGS-RTP				
RTP Administrative Charge	\$142.00	\$160.00	12.7%	
Facilities Demand - Transmission Line	\$0.90	\$1.30	44.4%	
Facilities Demand - T/D Substation	\$1.31	\$1.79	36.6%	
Facilities Demand - Distribution Primary	\$3.22	\$2.54	-21.1%	
Facilities Demand - Distribution Transformer	\$3.55	\$2.94	-17.2%	
Tax Factor	0.45%	0.44%	-2.2%	
Variable Environmental Charge (Fuel Adjustment)	\$0.89	\$0.89		
Traffic Signal Service Schedule TSS				
				kWh
70 Watt-16 HR/1 Lamp BLINKER	\$1.80	\$2.06	14.4%	19
150 Watt-16 HR/1 Lamp BLINKER	\$3.57	\$4.09	14.6%	33
70 Watt-24 HR/1 Lamp BLINKER	\$2.56	\$2.93	14.5%	28
150 Watt-24 HR/1 Lamp BLINKER	\$4.85	\$5.55	14.4%	49
70 Watt-16 HR/1 Lamp	\$2.38	\$2.72	14.3%	35
70 Watt-16 HR/2 Lamp	\$2.96	\$3.39	14.5%	35
70 Watt-16 HR/3 Lamp	\$3.27	\$3.74	14.4%	35
70 Watt-16 HR/4 Lamp	\$4.20	\$4.81	14.5%	50
70 Watt-16 HR/5 Lamp	\$3.27	\$3.74	14.4%	35
150 Watt-16 HR/1 Lamp	\$5.07	\$5.80	14.4%	62
150 Watt-16 HR/2 Lamp	\$6.33	\$7.25	14.5%	62
150 Watt-16 HR/3 Lamp	\$6.48	\$7.42	14.5%	62
150 Watt-16 HR/4 Lamp	\$8.99	\$10.29	14.5%	91
150 Watt-16 HR/5 Lamp	\$6.48	\$7.42	14.5%	62
70 Watt-24 HR/1 Lamp	\$3.28	\$3.75	14.3%	51
70 Watt-24 HR/2 Lamp	\$4.09	\$4.68	14.4%	51
70 Watt-24 HR/3 Lamp	\$4.33	\$4.96	14.5%	51
70 Watt-24 HR/4 Lamp	\$5.65	\$6.47	14.5%	75
70 Watt-24 HR/5 Lamp	\$4.33	\$4.96	14.5%	51
150 Watt-24 HR/1 Lamp	\$7.23	\$8.28	14.5%	92
150 Watt-24 HR/2 Lamp	\$8.70	\$9.96	14.5%	92
150 Watt-24 HR/3 Lamp	\$9.05	\$10.36	14.5%	92
150 Watt-24 HR/4 Lamp	\$12.41	\$14.21	14.5%	135
150 Watt-24 HR/5 Lamp	\$9.05	\$10.36	14.5%	92
Minimum Bill	\$9.91	\$12.34	24.5%	
120 watt/16 Hour Rate Adder	\$0.87	\$1.00	14.9%	11

DSM/EE Rate Change	GRT & Reg Fee Change	Total DSM/EE Change 1/1/19	Billing Rates Effective 6/1/19	Fuel Rate Change	GRT & Reg Fee Change	Total Fuel Change 7/1/19	Billing Rates Effective 7/1/19
(7)	(8)	(9) = (7) + (8)	(10) = (3) + (9)	(11)	(12)	(13) = (11) + (12)	(14) = (10) + (13)
			\$22.30	\$0.13	\$0.00	\$0.13	\$22.43
			\$21.16	\$0.13	\$0.00	\$0.13	\$21.29
			\$20.02	\$0.13	\$0.00	\$0.13	\$20.15
			\$16.56	\$0.13	\$0.00	\$0.13	\$16.69
			\$15.42	\$0.13	\$0.00	\$0.13	\$15.55
			\$14.28	\$0.13	\$0.00	\$0.13	\$14.41
			\$1.71				\$1.71
			(\$0.50)				(\$0.50)
			(\$0.00021)	\$0.00001	\$0.00000	\$0.00001	(\$0.00020)
			(\$0.40)				(\$0.40)
			(\$0.00002)				(\$0.00002)
			\$0.30				\$0.30
			\$160.00				\$160.00
			\$1.30				\$1.30
			\$1.79				\$1.79
			\$2.54				\$2.54
			\$2.94				\$2.94
			\$0.89	\$0.13	\$0.00	\$0.13	\$1.02
		Rate Change = Adjustment times Sales			Rate Change = Adjustment times Sales		
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$2.03	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$2.00
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$4.04	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$3.99
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$2.89	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$2.85
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$5.48	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$5.41
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$2.67	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$2.62
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$3.34	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$3.29
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$3.69	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$3.64
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$4.74	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$4.67
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$3.69	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$3.64
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$5.72	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$5.63
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$7.17	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$7.08
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$7.34	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$7.25
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$10.17	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$10.04
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$7.34	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$7.25
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$3.68	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$3.61
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$4.61	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$4.54
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$4.89	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$4.82
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$6.37	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$6.26
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$4.89	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$4.82
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$8.15	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$8.02
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$9.83	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$9.70
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$10.23	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$10.10
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$14.03	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$13.83
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$10.23	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$10.10
			\$12.34				\$12.34
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$0.98	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$0.96

Duke Energy Progress, LLC
SCPSC Docket Nos. 2018-318-E (Order Nos. 2019-341 and 2019-454) and 2019-1-E (Order No. 2019-452)
Derivation and Description of Rate and Tariff Changes

Description	Current Rate (11/1/18)	Approved Rate	Percentage Change	Lighting kWh
(1)	(2)	(3)	(4)	(6)
120 watt/24 Hour Rate Adder	\$1.09	\$1.25	14.7%	16
Street Lighting Service Schedule SLS (Targets higher increase than ALS due to much lower return)				kWh
9,500 Lumen SV	\$8.86	\$10.55	19.1%	46
16,000 Lumen SV	\$12.19	\$12.61	3.4%	59
28,500 Lumen SV	\$15.67	\$16.49	5.2%	109
50,000 Lumen SV	\$18.51	\$20.62	11.4%	152
9,000 Lumen MH	\$12.77	\$13.20	3.4%	41
20,000 Lumen MH	\$17.34	\$18.52	6.8%	94
33,000 Lumen MH	\$21.54	\$23.52	9.2%	133
110,000 Lumen MH	\$42.26	\$46.26	9.5%	370
5,800 Lumen SV	\$6.90	\$6.88	-0.3%	29
7,000 Lumen MV Semi-Enclosed	\$8.99	\$7.76	-13.7%	69
7,000 Lumen MV	\$9.67	\$9.29	-3.9%	69
12,000 Lumen RSV	\$10.31	\$11.87	15.1%	59
21,000 Lumen MV	\$14.94	\$13.79	-7.7%	149
22,000 Lumen SV	\$13.17	\$13.29	0.9%	86
38,000 Lumen RSV	\$15.50	\$15.64	0.9%	135
40,000 Lumen MH	\$21.94	\$24.24	10.5%	160
60,000 Lumen MV	\$24.58	\$26.30	7.0%	382
LED 50	\$9.47	\$9.53	0.6%	18
LED 75	\$9.71	\$9.78	0.7%	25
LED 105	\$11.28	\$11.36	0.7%	35
LED 150	\$14.75	\$14.85	0.7%	54
LED 215	\$18.30	\$18.43	0.7%	73
LED 280	\$21.57	\$21.72	0.7%	101
LED 420	\$53.90	\$54.27	0.7%	142
LED 530	\$65.41	\$65.86	0.7%	179
LED 75 (Standard Offer)	\$7.44	\$7.49	0.7%	25
LED 105 (Standard Offer)	\$10.61	\$10.68	0.7%	35
LED 215 (Standard Offer)	\$15.80	\$15.91	0.7%	73
LED 205 Site Lighter (Standard Offer)	\$15.82	\$15.93	0.7%	69
LED 75 Customer Owned	\$5.40	\$5.44	0.7%	25
LED 105 Customer Owned	\$5.74	\$5.78	0.7%	35
LED 215 Customer Owned	\$7.01	\$7.06	0.7%	73
LED 205 Customer Owned Site Lighter	\$6.89	\$6.94	0.7%	69
Monthly UG Charge	\$3.87	\$3.90	0.8%	
One-Time UG Charge	\$518.00	\$518.00	0.0%	
Wood Pole	\$1.66	\$1.68	1.2%	
Metal, Fiberglass or Post Pole	\$3.32	\$3.37	1.5%	
12-Foot Smooth Concrete Post	\$11.87	\$12.03	1.3%	
Decorative Square Metal	\$15.55	\$15.76	1.4%	
16-Foot Smooth Concrete Post	\$13.06	\$13.24	1.4%	
13-Foot Fluted Concrete Post	\$17.81	\$18.05	1.3%	
Decorative Aluminum 12-Foot Post	\$21.37	\$21.66	1.4%	
Decorative 35- or 39-Foot Tapered Metal Pole	\$33.93	\$34.40	1.4%	
System Metal Pole	\$1.07	\$1.08	0.9%	
Masterpiece Series A 12-Foot Decorative Post	\$21.37	\$21.66	1.4%	

DSM/EE Rate Change	GRT & Reg Fee Change	Total DSM/EE Change 1/1/19	Billing Rates Effective 6/1/19	Fuel Rate Change	GRT & Reg Fee Change	Total Fuel Change 7/1/19	Billing Rates Effective 7/1/19
(7)	(8)	(9) = (7) + (8)	(10) = (3) + (9)	(11)	(12)	(13) = (11) + (12)	(14) = (10) + (13)
(\$0.00136)	(\$0.00001)	(\$0.00137)	\$1.23	(\$0.00144)	(\$0.00001)	(\$0.00145)	\$1.21
		Rate Change = Adjustment times Sales				Rate Change = Adjustment times Sales	
\$0.00000	\$0.00000	\$0.00000	\$10.55	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$10.42
\$0.00000	\$0.00000	\$0.00000	\$12.61	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$12.44
\$0.00000	\$0.00000	\$0.00000	\$16.49	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$16.17
\$0.00000	\$0.00000	\$0.00000	\$20.62	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$20.18
\$0.00000	\$0.00000	\$0.00000	\$13.20	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$13.08
\$0.00000	\$0.00000	\$0.00000	\$18.52	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$18.25
\$0.00000	\$0.00000	\$0.00000	\$23.52	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$23.13
\$0.00000	\$0.00000	\$0.00000	\$46.26	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$45.18
\$0.00000	\$0.00000	\$0.00000	\$6.88	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$6.80
\$0.00000	\$0.00000	\$0.00000	\$7.76	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$7.56
\$0.00000	\$0.00000	\$0.00000	\$9.29	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$9.09
\$0.00000	\$0.00000	\$0.00000	\$11.87	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$11.70
\$0.00000	\$0.00000	\$0.00000	\$13.79	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$13.35
\$0.00000	\$0.00000	\$0.00000	\$13.29	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$13.04
\$0.00000	\$0.00000	\$0.00000	\$15.64	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$15.25
\$0.00000	\$0.00000	\$0.00000	\$24.24	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$23.77
\$0.00000	\$0.00000	\$0.00000	\$26.30	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$25.18
\$0.00000	\$0.00000	\$0.00000	\$9.53	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$9.48
\$0.00000	\$0.00000	\$0.00000	\$9.78	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$9.71
\$0.00000	\$0.00000	\$0.00000	\$11.36	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$11.26
\$0.00000	\$0.00000	\$0.00000	\$14.85	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$14.69
\$0.00000	\$0.00000	\$0.00000	\$18.43	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$18.22
\$0.00000	\$0.00000	\$0.00000	\$21.72	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$21.43
\$0.00000	\$0.00000	\$0.00000	\$54.27	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$53.86
\$0.00000	\$0.00000	\$0.00000	\$65.86	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$65.34
\$0.00000	\$0.00000	\$0.00000	\$7.49	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$7.42
\$0.00000	\$0.00000	\$0.00000	\$10.68	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$10.58
\$0.00000	\$0.00000	\$0.00000	\$15.91	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$15.70
\$0.00000	\$0.00000	\$0.00000	\$15.93	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$15.73
\$0.00000	\$0.00000	\$0.00000	\$5.44	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$5.37
\$0.00000	\$0.00000	\$0.00000	\$5.78	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$5.68
\$0.00000	\$0.00000	\$0.00000	\$7.06	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$6.85
\$0.00000	\$0.00000	\$0.00000	\$6.94	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$6.74
			\$3.90				\$3.90
			\$518.00				\$518.00
			\$1.68				\$1.68
			\$3.37				\$3.37
			\$12.03				\$12.03
			\$15.76				\$15.76
			\$13.24				\$13.24
			\$18.05				\$18.05
			\$21.66				\$21.66
			\$34.40				\$34.40
			\$1.08				\$1.08
			\$21.66				\$21.66

Duke Energy Progress, LLC
SCPSC Docket Nos. 2018-318-E (Order Nos. 2019-341 and 2019-454) and 2019-1-E (Order No. 2019-452)
Derivation and Description of Rate and Tariff Changes

Description	Current Rate (11/1/18)	Approved Rate	Percentage Change	Lighting kWh
(1)	(2)	(3)	(4)	(6)
Masterpiece Series A 16-Foot Decorative Post	\$26.11	\$26.47	1.4%	
Masterpiece Series A Twin Mounting Bracket	\$7.50	\$5.00	-33.3%	
Masterpiece Series A Adder	\$3.00	\$3.00	0.0%	
Masterpiece Series B Adder	\$5.00	\$4.15	-17.0%	
Street Lighting Service (Residential Subdivisions and Neighborhoods) Schedule SLR				kWh
OH/1 light per 10 customers/7,000 Lumen MV	\$1.24	\$1.36	9.7%	5.75
OH/1 light per 10 customers/9,500 Lumen SV	\$1.24	\$1.36	9.7%	5.75
OH/1 light per 10 customers/LED 50	\$1.27	\$1.39	9.4%	1.8
OH/1 light per 10 customers/12,000 Lumen SV	\$1.38	\$1.51	9.4%	5.6
OH/1 light per 5 customers/7,000 Lumen MV	\$2.45	\$2.68	9.4%	11.50
OH/1 light per 5 customers/9,500 Lumen SV	\$2.45	\$2.68	9.4%	11.50
OH/1 light per 5 customers/LED 50	\$2.48	\$2.71	9.3%	3.60
OH/1 light per 5 customers/12,000 Lumen SV	\$2.73	\$2.99	9.5%	11.2
OH/1 light per 3 customers/7,000 Lumen MV	\$4.08	\$4.46	9.3%	19.17
OH/1 light per 3 customers/9,500 Lumen SV	\$4.08	\$4.46	9.3%	19.17
OH/1 light per 3 customers/LED 50	\$4.14	\$4.53	9.4%	6
UG/1 light per 10 customers on wood pole 7,000 lumen	\$1.84	\$2.01	9.2%	5.75
UG/1 light per 10 customers on wood pole 9,500 lumen	\$1.84	\$2.01	9.2%	5.75
UG/1 light per 10 customers on wood pole LED 50	\$1.86	\$2.03	9.1%	1.8
UG/1 light per 10 customers on wood pole 12,000 lumen	\$1.98	\$2.16	9.1%	5.6
UG/1 light per 5 customers on wood pole 7,000 lumen	\$3.66	\$4.00	9.3%	11.50
UG/1 light per 5 customers on wood pole 9,500 lumen	\$3.66	\$4.00	9.3%	11.50
UG/1 light per 5 customers on wood pole LED 50	\$3.69	\$4.03	9.2%	3.60
UG/1 light per 5 customers on wood pole 12,000 lumen	\$3.94	\$4.31	9.4%	11.2
UG/1 light per 3 customers on wood pole 7,000 lumen	\$6.10	\$6.67	9.3%	19.17
UG/1 light per 3 customers on wood pole 9,500 lumen	\$6.10	\$6.67	9.3%	19.17
UG/1 light per 3 customers on wood pole LED 50	\$6.17	\$6.74	9.2%	6
UG/1 light per 10 customers on fiberglass/metal pole or post 7,000 lumen	\$2.00	\$2.19	9.5%	5.75
UG/1 light per 10 customers on fiberglass/metal pole or post 9,500 lumen	\$2.00	\$2.19	9.5%	5.75
UG/1 light per 10 customers on fiberglass/metal pole or post LED 50	\$2.03	\$2.22	9.4%	1.8
UG/1 light per 10 customers on fiberglass/metal pole or post LED 50 Post-Top	\$2.71	\$2.96	9.2%	1.8
UG/1 light per 10 customers on fiberglass/metal pole or post 12,000 lumen	\$2.14	\$2.34	9.3%	5.6
UG/1 light per 6 customers on fiberglass/metal/pole or post 7,000 lumen	\$3.30	\$3.61	9.4%	9.58
UG/1 light per 6 customers on fiberglass/metal/pole or post 9,500 lumen	\$3.30	\$3.61	9.4%	9.58
UG/1 light per 6 customers on fiberglass/metal/pole or post LED 50	\$3.32	\$3.63	9.3%	3
UG/1 light per 6 customers on fiberglass/metal/pole or post LED 50 Post-Top	\$4.43	\$4.84	9.3%	3

DSM/EE Rate Change	GRT & Reg Fee Change	Total DSM/EE Change 1/1/19	Billing Rates Effective 6/1/19	Fuel Rate Change	GRT & Reg Fee Change	Total Fuel Change 7/1/19	Billing Rates Effective 7/1/19
(7)	(8)	(9) = (7) + (8)	(10) = (3) + (9)	(11)	(12)	(13) = (11) + (12)	(14) = (10) + (13)
			\$26.47				\$26.47
			\$5.00				\$5.00
			\$3.00				\$3.00
			\$4.15				\$4.15
Rate Change = Adjustment times Sales				Rate Change = Adjustment times Sales			
\$0.00000	\$0.00000	\$0.00000	\$1.36	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$1.34
\$0.00000	\$0.00000	\$0.00000	\$1.36	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$1.34
\$0.00000	\$0.00000	\$0.00000	\$1.39	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$1.38
\$0.00000	\$0.00000	\$0.00000	\$1.51	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$1.49
\$0.00000	\$0.00000	\$0.00000	\$2.68	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.65
\$0.00000	\$0.00000	\$0.00000	\$2.68	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.65
\$0.00000	\$0.00000	\$0.00000	\$2.71	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.70
\$0.00000	\$0.00000	\$0.00000	\$2.99	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.97
\$0.00000	\$0.00000	\$0.00000	\$4.46	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$4.40
\$0.00000	\$0.00000	\$0.00000	\$4.46	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$4.40
\$0.00000	\$0.00000	\$0.00000	\$4.53	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$4.51
\$0.00000	\$0.00000	\$0.00000	\$2.01	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$1.99
\$0.00000	\$0.00000	\$0.00000	\$2.01	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$1.99
\$0.00000	\$0.00000	\$0.00000	\$2.03	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.02
\$0.00000	\$0.00000	\$0.00000	\$2.16	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.14
\$0.00000	\$0.00000	\$0.00000	\$4.00	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$3.97
\$0.00000	\$0.00000	\$0.00000	\$4.00	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$3.97
\$0.00000	\$0.00000	\$0.00000	\$4.03	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$4.02
\$0.00000	\$0.00000	\$0.00000	\$4.31	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$4.29
\$0.00000	\$0.00000	\$0.00000	\$6.67	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$6.61
\$0.00000	\$0.00000	\$0.00000	\$6.67	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$6.61
\$0.00000	\$0.00000	\$0.00000	\$6.74	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$6.72
\$0.00000	\$0.00000	\$0.00000	\$2.19	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.17
\$0.00000	\$0.00000	\$0.00000	\$2.19	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.17
\$0.00000	\$0.00000	\$0.00000	\$2.22	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.21
\$0.00000	\$0.00000	\$0.00000	\$2.96	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.95
\$0.00000	\$0.00000	\$0.00000	\$2.34	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$2.32
\$0.00000	\$0.00000	\$0.00000	\$3.61	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$3.58
\$0.00000	\$0.00000	\$0.00000	\$3.61	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$3.58
\$0.00000	\$0.00000	\$0.00000	\$3.63	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$3.62
\$0.00000	\$0.00000	\$0.00000	\$4.84	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$4.83

Duke Energy Progress, LLC
SCPSC Docket Nos. 2018-318-E (Order Nos. 2019-341 and 2019-454) and 2019-1-E (Order No. 2019-452)
Derivation and Description of Rate and Tariff Changes

Description	Current Rate (11/1/18)	Approved Rate	Percentage Change	Lighting kWh	DSM/EE Rate Change	GRT & Reg Fee Change	Total DSM/EE Change 1/1/19	Billing Rates Effective 6/1/19	Fuel Rate Change	GRT & Reg Fee Change	Total Fuel Change 7/1/19	Billing Rates Effective 7/1/19
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9) = (7) + (8)	(10) = (3) + (9)	(11)	(12)	(13) = (11) + (12)	(14) = (10) + (13)
UG/1 light per 6 customers on fiberglass/metal/pole or post 12,000 lumen	\$3.53	\$3.86	9.3%	9.33	\$0.00000	\$0.00000	\$0.00000	\$3.86	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$3.83
UG/1 light per 3 customers on fiberglass/metal/pole or post 7,000 lumen	\$6.65	\$7.27	9.3%	19.17	\$0.00000	\$0.00000	\$0.00000	\$7.27	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$7.21
UG/1 light per 3 customers on fiberglass/metal/pole or post 9,500 lumen	\$6.65	\$7.27	9.3%	19.17	\$0.00000	\$0.00000	\$0.00000	\$7.27	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$7.21
UG/1 light per 3 customers on fiberglass/metal/pole or post LED 50	\$6.72	\$7.34	9.2%	6	\$0.00000	\$0.00000	\$0.00000	\$7.34	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$7.32
UG/1 light per 3 customers on fiberglass/metal/pole or post LED 50 Post-Top	\$8.97	\$9.80	9.3%	6	\$0.00000	\$0.00000	\$0.00000	\$9.80	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$9.78
12,000 lumen retrofit adder - 1 per 10	\$0.14	\$0.15	7.1%					\$0.15				\$0.15
12,000 lumen retrofit adder - 1 per 5	\$0.28	\$0.31	10.7%					\$0.31	\$0.01	\$0.00	\$0.01	\$0.32
12,000 lumen retrofit adder - 1 per 6	\$0.23	\$0.25	8.7%					\$0.25				\$0.25
UG Only Charge/1 light per 10 customers on wood pole 7,000/12,000 lumen	\$0.33	\$0.36	9.1%					\$0.36				\$0.36
UG Only Charge/1 light per 5 customers on wood pole 7,000/12,000 lumen	\$0.61	\$0.67	9.8%					\$0.67				\$0.67
UG Only Charge/1 light per 3 customers on wood pole 7,000/12,000 lumen	\$0.72	\$0.79	9.7%					\$0.79				\$0.79
UG Only Charge/1 light per 10 customers on fiberglass/metal pole or post 7,000/12,000 lumen	\$0.39	\$0.43	10.3%					\$0.43				\$0.43
UG Only Charge/1 light per 6 customers on fiberglass/metal/pole or post 7,000/12,000 lumen	\$0.66	\$0.72	9.1%					\$0.72				\$0.72
UG Only Charge/1 light per 3 customers on fiberglass/metal/pole or post 7,000/12,000 lumen	\$0.77	\$0.84	9.1%					\$0.84				\$0.84
UG Only Charge/1 light per 10 customers on wood pole 9,500 lumen	\$0.44	\$0.48	9.1%					\$0.48				\$0.48
UG Only Charge/1 light per 5 customers on wood pole 9,500 lumen	\$0.83	\$0.91	9.6%					\$0.91				\$0.91
UG Only Charge/1 light per 3 customers on wood pole 9,500 lumen	\$0.98	\$1.07	9.2%					\$1.07				\$1.07
UG Only Charge/1 light per 10 customers on fiberglass/metal pole or post 9,500 lumen	\$0.55	\$0.60	9.1%					\$0.60				\$0.60
UG Only Charge/1 light per 6 customers on fiberglass/metal/pole or post 9,500 lumen	\$0.94	\$1.03	9.6%					\$1.03				\$1.03
UG Only Charge/1 light per 3 customers on fiberglass/metal/pole or post 9,500 lumen	\$1.09	\$1.19	9.2%					\$1.19				\$1.19
UG Only Charge/1 light per 10 customers on wood pole LED 50	\$0.48	\$0.52	8.3%					\$0.52				\$0.52
UG Only Charge/1 light per 5 customers on wood pole LED 50	\$0.96	\$1.05	9.4%					\$1.05				\$1.05
UG Only Charge/1 light per 3 customers on wood pole LED 50	\$1.61	\$1.76	9.3%					\$1.76				\$1.76
UG Only Charge/1 light per 10 customers on fiberglass/metal pole or post LED 50	\$0.47	\$0.51	8.5%					\$0.51				\$0.51
UG Only Charge/1 light per 6 customers on fiberglass/metal/pole or post LED 50	\$0.78	\$0.85	9.0%					\$0.85				\$0.85
UG Only Charge/1 light per 3 customers on fiberglass/metal/pole or post LED 50	\$1.59	\$1.74	9.4%					\$1.74				\$1.74
Area Lighting Service Schedule ALS				kWh			Rate Change = Adjustment times Sales				Rate Change = Adjustment times Sales	
9,500 Lumen SV	\$10.48	\$10.55	0.7%	46	\$0.00000	\$0.00000	\$0.00000	\$10.55	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$10.42
16,000 Lumen SV	\$12.52	\$12.61	0.7%	59	\$0.00000	\$0.00000	\$0.00000	\$12.61	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$12.44
28,500 Lumen SV	\$16.38	\$16.49	0.7%	109	\$0.00000	\$0.00000	\$0.00000	\$16.49	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$16.17
50,000 Lumen SV	\$20.48	\$20.62	0.7%	152	\$0.00000	\$0.00000	\$0.00000	\$20.62	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$20.18

Duke Energy Progress, LLC
 SCPSC Docket Nos. 2018-318-E (Order Nos. 2019-341 and 2019-454) and 2019-1-E (Order No. 2019-452)
 Derivation and Description of Rate and Tariff Changes

Description	Current Rate (11/1/18)	Approved Rate	Percentage Change	Lighting kWh
(1)	(2)	(3)	(4)	(6)
50,000 Flood Lumen	\$23.03	\$23.19	0.7%	168
9,000 Lumen MH	\$13.11	\$13.20	0.7%	41
20,000 Lumen MH	\$18.39	\$18.52	0.7%	94
33,000 Lumen MH	\$23.36	\$23.52	0.7%	133
110,000 Lumen MH	\$45.94	\$46.26	0.7%	370
5,800 Lumen SV	\$6.83	\$6.88	0.7%	29
7,000 Lumen MV Semi-Enclosed	\$7.71	\$7.76	0.6%	69
7,000 Lumen MV	\$9.23	\$9.29	0.7%	69
12,000 Lumen RSV	\$11.79	\$11.87	0.7%	59
21,000 Lumen MV	\$13.70	\$13.79	0.7%	149
21,000 Lumen MV Flood	\$17.12	\$17.24	0.7%	160
22,000 Lumen SV	\$13.20	\$13.29	0.7%	86
38,000 Lumen RSV	\$15.53	\$15.64	0.7%	135
40,000 Lumen MH	\$24.07	\$24.24	0.7%	160
60,000 Lumen MV	\$26.12	\$26.30	0.7%	382
60,000 Lumen MV Flood	\$28.58	\$28.78	0.7%	382
LED 50	\$9.47	\$9.53	0.6%	18
LED 50 Flood	\$10.79	\$10.86	0.6%	18
LED 75	\$9.71	\$9.78	0.7%	25
LED 105	\$11.28	\$11.36	0.7%	35
LED 130 Flood	\$19.97	\$20.11	0.7%	44
LED 150	\$14.75	\$14.85	0.7%	54
LED 215	\$18.30	\$18.43	0.7%	73
LED 260 Flood	\$35.08	\$35.32	0.7%	88
LED 280	\$21.57	\$21.72	0.7%	101
LED 420	\$53.90	\$54.27	0.7%	142
LED 530	\$65.41	\$65.86	0.7%	179
LED 75 (Standard Offer)	\$7.44	\$7.49	0.7%	25
LED 105 (Standard Offer)	\$10.61	\$10.68	0.7%	35
LED 215 (Standard Offer)	\$15.80	\$15.91	0.7%	73
LED 205 Site Lighter (Standard Offer)	\$15.82	\$15.93	0.7%	69
Monthly UG Charge	\$3.87	\$3.90	0.8%	
One-Time UG Charge	\$518.00	\$518.00	0.0%	
Wood Pole	\$2.39	\$2.42	1.3%	
Metal, Fiberglass or Post Pole	\$5.52	\$5.60	1.4%	
12-Foot Smooth Concrete Post	\$11.87	\$12.03	1.3%	
16-Foot Smooth Concrete Post	\$13.06	\$13.24	1.4%	
Decorative Square Metal	\$13.91	\$14.10	1.4%	
13-Foot Fluted Concrete Post	\$17.81	\$18.05	1.3%	
Decorative Aluminum 12-Foot Post	\$21.37	\$21.66	1.4%	
Decorative 35- or 39-Foot Tapered Metal Pole	\$33.93	\$34.40	1.4%	
Masterpiece Series A 12-Foot Decorative Post	\$21.37	\$21.66	1.4%	
Masterpiece Series A 16-Foot Decorative Post	\$26.11	\$26.47	1.4%	
Masterpiece Series A Twin Mounting Bracket	\$7.50	\$5.00	-33.3%	
Masterpiece Series A Adder	\$3.00	\$3.00	0.0%	
Masterpiece Series B Adder	\$5.00	\$4.15	0.0%	
Residential Service Energy Conservation Rider RECD				
All Charges				
Intermittent and Highly Fluctuating Load Rider No. 9				
HFIL KVA	\$0.40	\$0.40	0.0%	
Large Load Curtailable Rider LLC				

DSM/EE Rate Change	GRT & Reg Fee Change	Total DSM/EE Change 1/1/19	Billing Rates Effective 6/1/19	Fuel Rate Change	GRT & Reg Fee Change	Total Fuel Change 7/1/19	Billing Rates Effective 7/1/19
(7)	(8)	(9) = (7) + (8)	(10) = (3) + (9)	(11)	(12)	(13) = (11) + (12)	(14) = (10) + (13)
\$0.00000	\$0.00000	\$0.00000	\$23.19	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$22.70
\$0.00000	\$0.00000	\$0.00000	\$13.20	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$13.08
\$0.00000	\$0.00000	\$0.00000	\$18.52	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$18.25
\$0.00000	\$0.00000	\$0.00000	\$23.52	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$23.13
\$0.00000	\$0.00000	\$0.00000	\$46.26	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$45.18
\$0.00000	\$0.00000	\$0.00000	\$6.88	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$6.80
\$0.00000	\$0.00000	\$0.00000	\$7.76	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$7.56
\$0.00000	\$0.00000	\$0.00000	\$9.29	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$9.09
\$0.00000	\$0.00000	\$0.00000	\$11.87	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$11.70
\$0.00000	\$0.00000	\$0.00000	\$13.79	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$13.35
\$0.00000	\$0.00000	\$0.00000	\$17.24	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$16.77
\$0.00000	\$0.00000	\$0.00000	\$13.29	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$13.04
\$0.00000	\$0.00000	\$0.00000	\$15.64	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$15.25
\$0.00000	\$0.00000	\$0.00000	\$24.24	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$23.77
\$0.00000	\$0.00000	\$0.00000	\$26.30	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$25.18
\$0.00000	\$0.00000	\$0.00000	\$28.78	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$27.66
\$0.00000	\$0.00000	\$0.00000	\$9.53	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$9.48
\$0.00000	\$0.00000	\$0.00000	\$10.86	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$10.81
\$0.00000	\$0.00000	\$0.00000	\$9.78	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$9.71
\$0.00000	\$0.00000	\$0.00000	\$11.36	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$11.26
\$0.00000	\$0.00000	\$0.00000	\$20.11	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$19.98
\$0.00000	\$0.00000	\$0.00000	\$14.85	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$14.69
\$0.00000	\$0.00000	\$0.00000	\$18.43	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$18.22
\$0.00000	\$0.00000	\$0.00000	\$35.32	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$35.06
\$0.00000	\$0.00000	\$0.00000	\$21.72	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$21.43
\$0.00000	\$0.00000	\$0.00000	\$54.27	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$53.86
\$0.00000	\$0.00000	\$0.00000	\$65.86	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$65.34
\$0.00000	\$0.00000	\$0.00000	\$7.49	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$7.42
\$0.00000	\$0.00000	\$0.00000	\$10.68	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$10.58
\$0.00000	\$0.00000	\$0.00000	\$15.91	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$15.70
\$0.00000	\$0.00000	\$0.00000	\$15.93	(\$0.00291)	(\$0.00001)	(\$0.00292)	\$15.73
			\$3.90				\$3.90
			\$518.00				\$518.00
			\$2.42				\$2.42
			\$5.60				\$5.60
			\$12.03				\$12.03
			\$13.24				\$13.24
			\$14.10				\$14.10
			\$18.05				\$18.05
			\$21.66				\$21.66
			\$34.40				\$34.40
			\$21.66				\$21.66
			\$26.47				\$26.47
			\$5.00				\$5.00
			\$3.00				\$3.00
			\$4.15				\$4.15
			\$0.40				\$0.40

Duke Energy Progress, LLC

Description	Current Rate (11/1/18)	Approved Rate	Percentage Change	Lighting kWh
(1)	(2)	(3)	(4)	(6)
Customer Charge	\$16.80	\$50.00	197.6%	
Average On-peak - Firm kW	(\$5.35)	(\$4.60)	-14.0%	
Billing kW - Firm kW	\$0.89	\$0.89	0.0%	
Level 1 Capacity Charge	\$2.65	\$2.30	-13.2%	
Failure Charge Rate	\$50.00	\$45.00	-10.0%	
Variable Environmental Charge (Fuel Adjustment)	\$0.89	\$0.89		
Dispatched Power Service Rider No. 68				
Customer Charge	\$16.80	\$50.00	197.6%	
Incremental On-peak kWh	\$0.01500	\$0.01500	0.0%	
Incremental Power Service Rider IPS				
Customer Charge	\$16.80	\$50.00	197.6%	
Incremental On-peak kWh	\$0.01500	\$0.01500	0.0%	
Economic Development Rider ED				
Year 1 to 5 Discount Rates				
Economic Redevelopment Rider ERD				
ERD Discount Amount				
Supplementary and Non-Firm Standby Service Rider NFS				
NFS Customer Charge	\$16.80	\$50.00	197.6%	
Standby Delivery Charge (Transmission)	\$0.00197	\$0.00261	24.5%	
Standby Delivery Charge (Distribution)	\$0.00674	\$0.00507	5.7%	
Tax Factor	0.45%	0.44%	-2.2%	
Supplementary and Firm Standby Service Rider SS				
Generation Reservation Charge	\$0.65	\$0.84	29.2%	
Tax Factor	0.45%	0.44%	-2.22%	
Rider SS - Only Applicable for Capacity Factor of 60% or greater				
SS Delivery Charge (Transmission)	\$0.90	\$1.30	44.4%	
SS Delivery Charge (Distribution)	\$3.22	\$2.54	-21.1%	
Meter-Related Optional Programs Rider MROP				
Total Meter	\$3.20	\$3.00	-6%	
Total Meter - Wireless	\$13.50	\$13.20	-2%	
Total Meter Termination Charge	\$50.00	\$50.00	0%	
EPO - Totalized Monthly	\$20.00	\$20.00	0%	
EPO - Daily	\$20.00	\$20.00	0%	
EPO Set-Up Charge	\$85.00	\$85.00	0%	
EPO Set-Up Charge - Totalized	\$85.00	\$85.00	0%	
MRM - Initial Set-up Fee	\$170.00	\$170.00	0%	
MRM - Monthly Rate	\$14.75	\$14.75	0%	
MRM - Early Termination Charge	\$50.00	\$50.00	0%	
Non-Standard Meter Monthly Rate	\$0.36	\$0.33	-8%	
Non-Standard Meter Set-Up	\$13.40	\$15.00	12%	
Non-Standard Meter Exchange	\$75.00	\$77.00	3%	
Service Regulations				
SC Service Charge Revenue	\$15.00	\$17.00	13%	
SC Service Charge - Landlord Revenue	\$4.50	\$5.35	19%	
SC Reconnect Charge Revenue	\$15.00	\$19.00	27%	
SC After Hours Reconnect Charge Revenue	\$15.00	\$19.00	27%	
SC Additional Facilities Charges (Non-Contributory)	1.1%	1.0%	-9%	
SC Additional Facilities Charges (Contributory)	0.3%	0.3%	0%	

DSM/EE Rate Change	GRT & Reg Fee Change	Total DSM/EE Change 1/1/19	Billing Rates Effective 6/1/19	Fuel Rate Change	GRT & Reg Fee Change	Total Fuel Change 7/1/19	Billing Rates Effective 7/1/19
(7)	(8)	(9) = (7) + (8)	(10) = (3) + (9)	(11)	(12)	(13) = (11) + (12)	(14) = (10) + (13)
			\$50.00				\$50.00
			(\$4.60)				(\$4.60)
			\$0.89				\$0.89
			\$2.30				\$2.30
			\$45.00				\$45.00
			\$0.89	\$0.13	\$0.00	\$0.13	\$1.02
			\$50.00				\$50.00
			\$0.01500				\$0.01500
			\$50.00				\$50.00
			\$0.01500				\$0.01500
			\$50.00				\$50.00
			\$0.00261				\$0.00261
			\$0.00507				\$0.00507
			0.44%				0.44%
			\$0.84				\$0.84
			0.44%				0.44%
			\$1.30				\$1.30
			\$2.54				\$2.54
			\$3.00				\$3.00
			\$13.20				\$13.20
			\$50.00				\$50.00
			\$20.00				\$20.00
			\$20.00				\$20.00
			\$85.00				\$85.00
			\$85.00				\$85.00
			\$170.00				\$170.00
			\$14.75				\$14.75
			\$50.00				\$50.00
			\$0.33				\$0.33
			\$15.00				\$15.00
			\$77.00				\$77.00
			\$17.00				\$17.00
			\$5.35				\$5.35
			\$19.00				\$19.00
			\$19.00				\$19.00
			1.0%				1.0%
			0.3%				0.3%

Duke Energy Progress, LLC
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Derivation and Description of Rate and Tariff Changes

Description	Current Rate (11/1/18)	Approved Rate	Percentage Change		DSM/EE Rate Change	GRT & Reg Fee Change	Total DSM/EE Change 1/1/19	Billing Rates Effective 6/1/19	Fuel Rate Change	GRT & Reg Fee Change	Total Fuel Change 7/1/19	Billing Rates Effective 7/1/19
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9) = (7) + (8)	(10) = (3) + (9)	(11)	(12)	(13) = (11) + (12)	(14) = (10) + (13)
Billed kVAR	\$0.30	\$0.30	0%					\$0.30				\$0.30